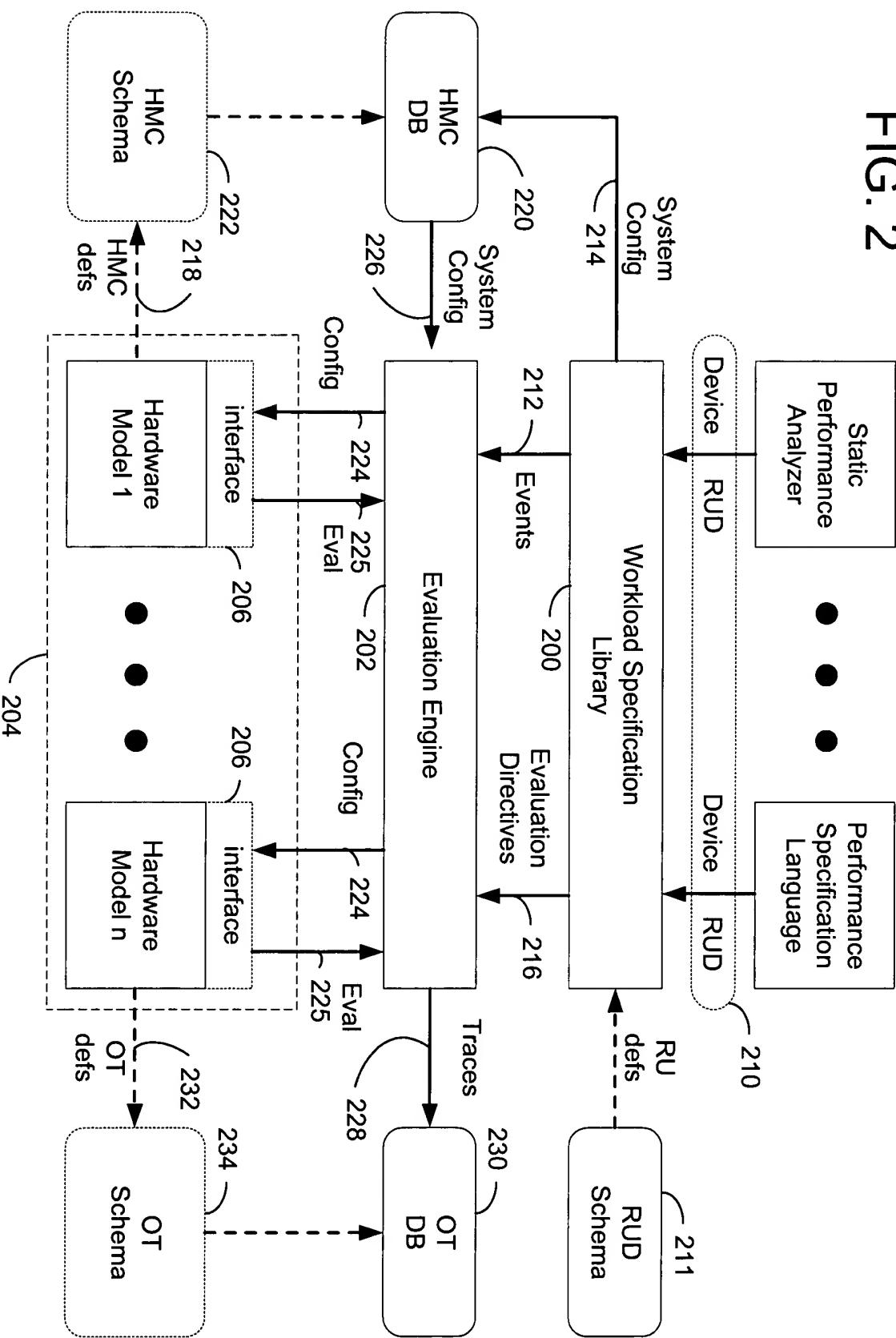
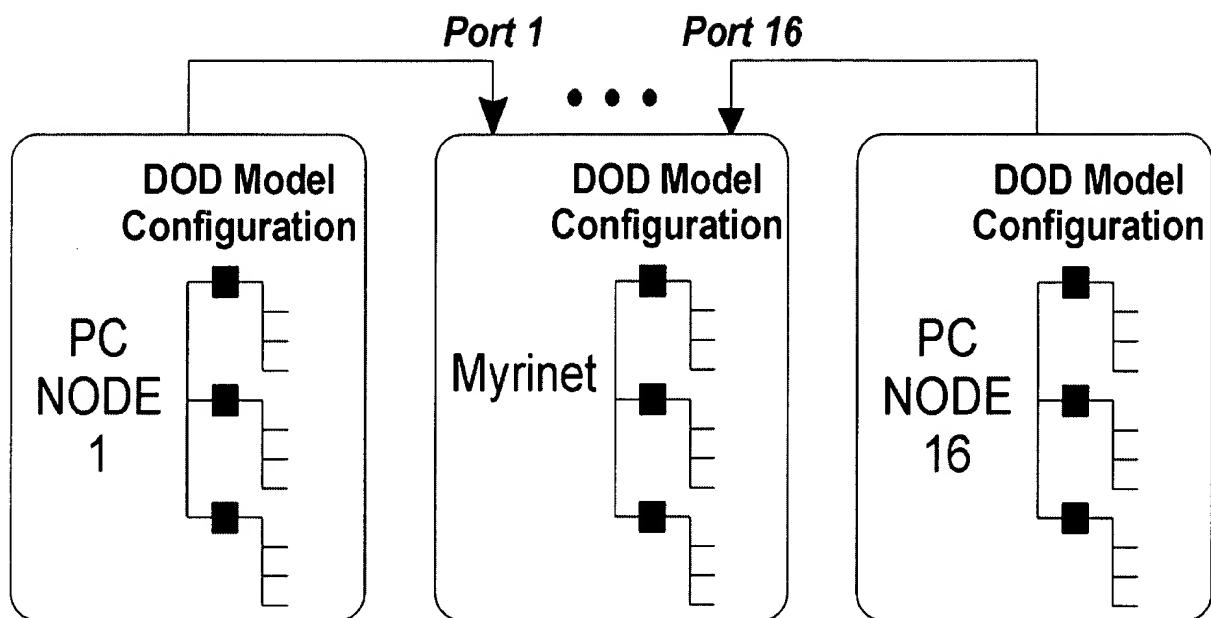


**FIG. 1**

FIG. 2

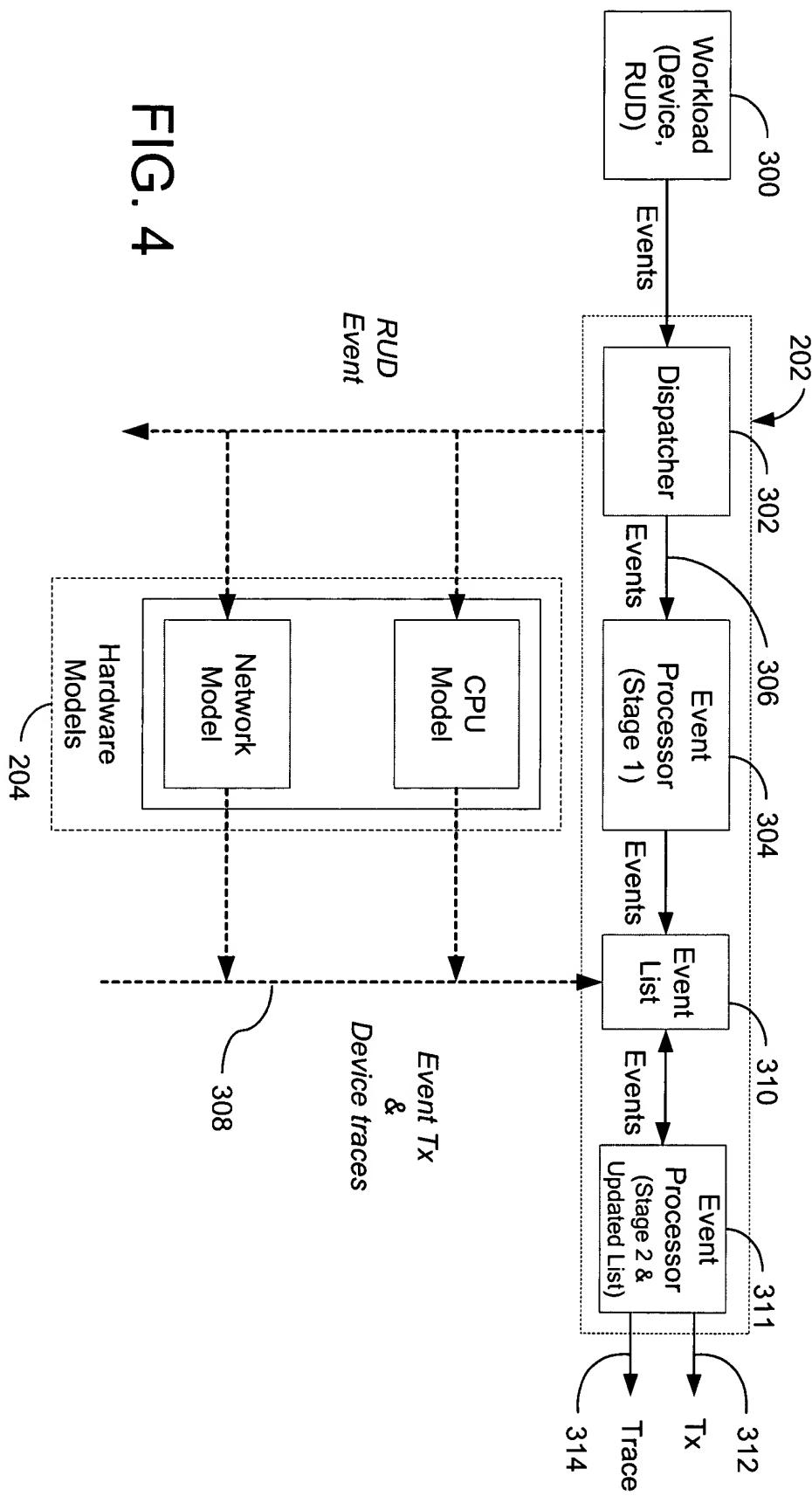




DOD - Document Object Model

FIG. 3

FIG. 4



	<b>Event Object Element</b>	<b>Source</b>	<b>Description</b>
400	Event list	Workload	Reference to system, processor, or process event list
402	Device	Workload	Reference to hardware device
404	Model	Workload	Reference of model hardware device to support multiple models for device
406	Resource Usage Data	Workload	Input to the hardware device models (XML script)
408	Inter-event relation	Workload	Reference to other event representing component interactions
410	Duration	hardware model	Duration of event determined from hardware model evaluation
412	Output traces	hardware model	Detailed hardware model performance traces. (XML script)

FIG. 5

	<b>Class Name</b>	<b>Description</b>
<i>Workload Model API</i>		
500	pti_workload	Define workload and evaluation modes
502	pti_ddpar	Handle data dependent parameters
504	pti_register	Register models to the evaluation engine
<i>Hardware Model API</i>		
506	pti_hmod	Hardware model services
508	pti_event	Event handling
510	pti_eviter	Event iterator through event list
512	pti_accevlist	Iterator through event lists
<i>Hardware &amp; Model Configuration API</i>		
514	pti_hmc	Hardware & model configuration
<i>Output Trace API</i>		
516	pti_otrace	Output trace processing

FIG. 6

### PTI Configuration Stage

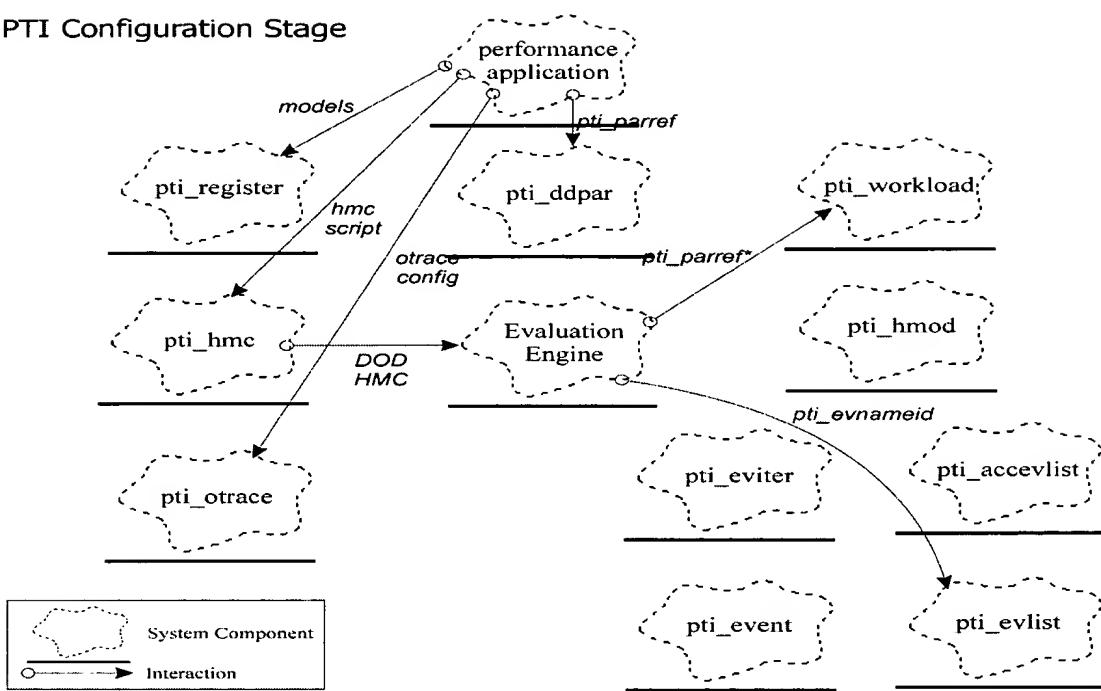


FIG. 7

### PTI Workload Definition Stage

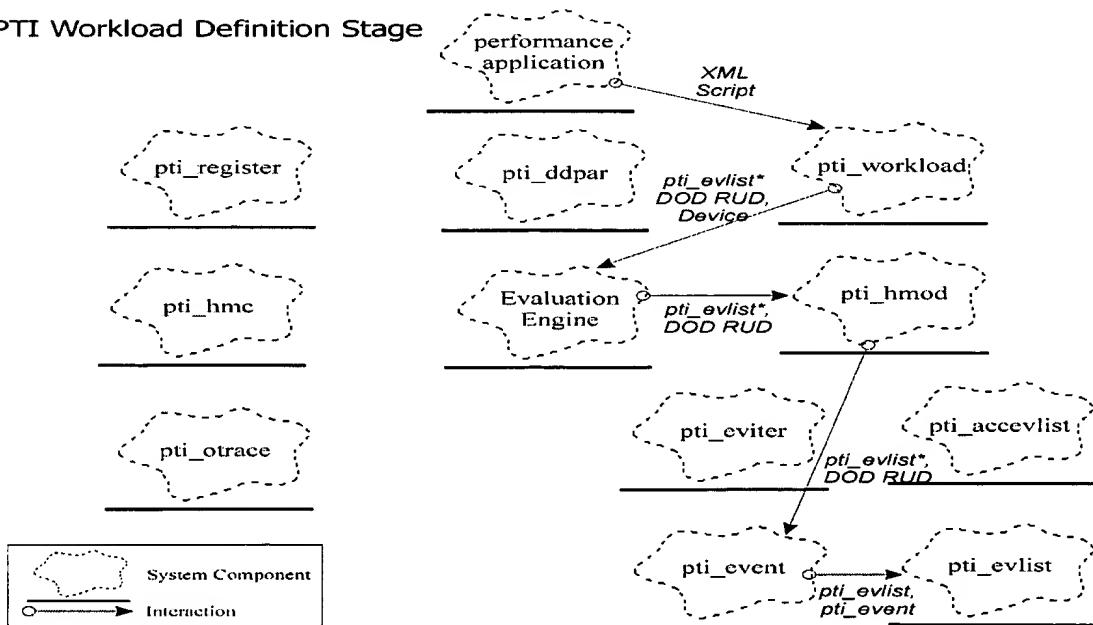


FIG. 8

PTI Evaluation Stage I  
Hardware Model Evaluation

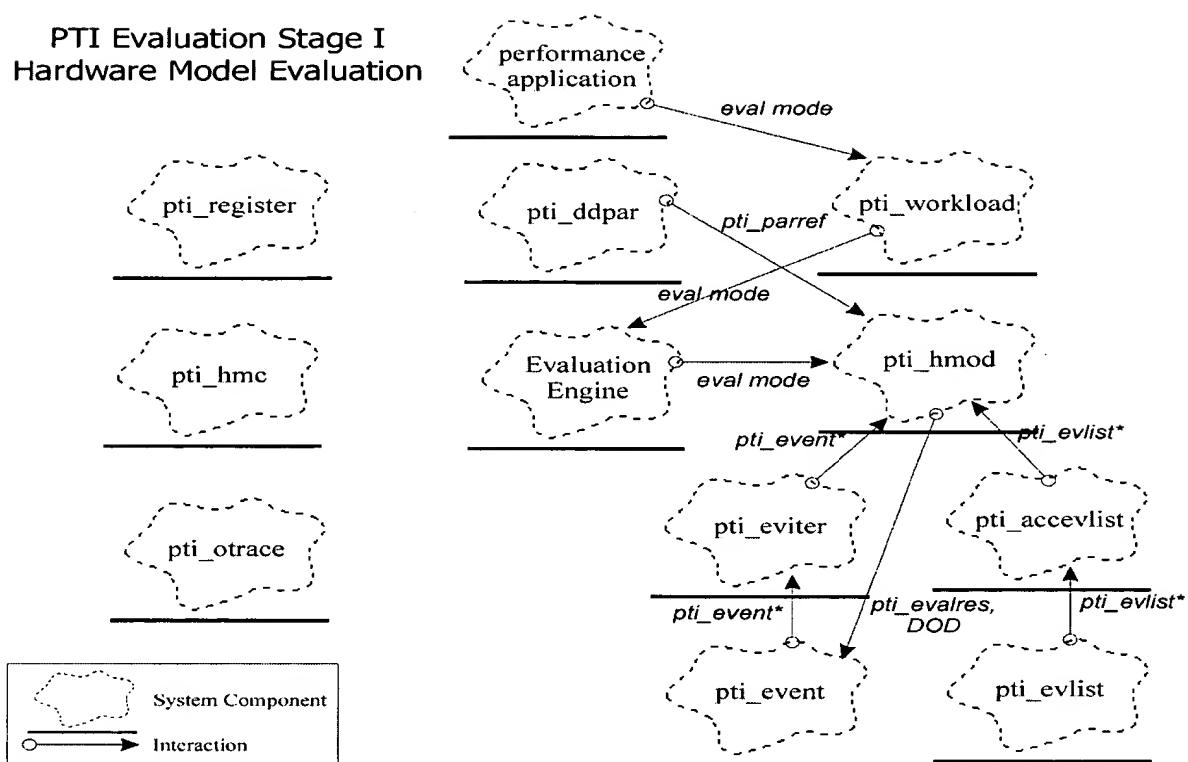


FIG. 9

PTI Evaluation Stage II  
Event List Evaluation

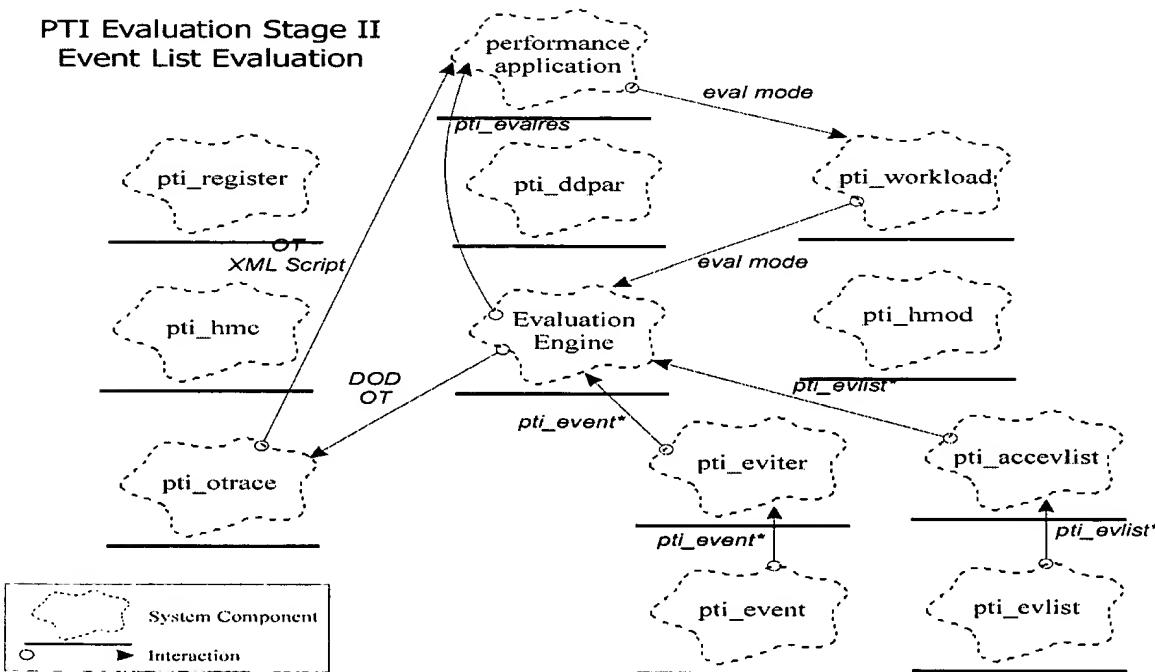
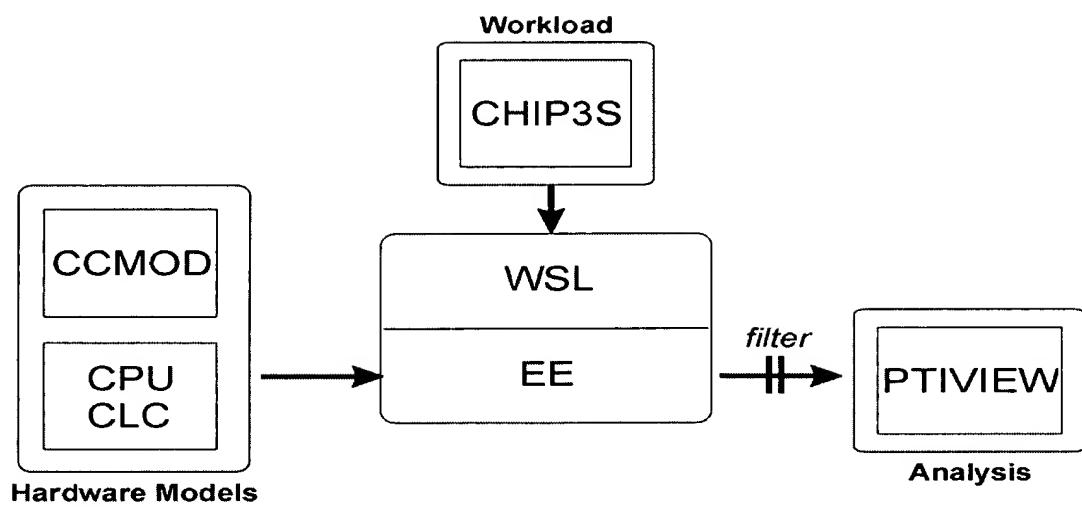


FIG. 10



WSL - Workload Specification Language, EE - Evaluation Engine

FIG. 11

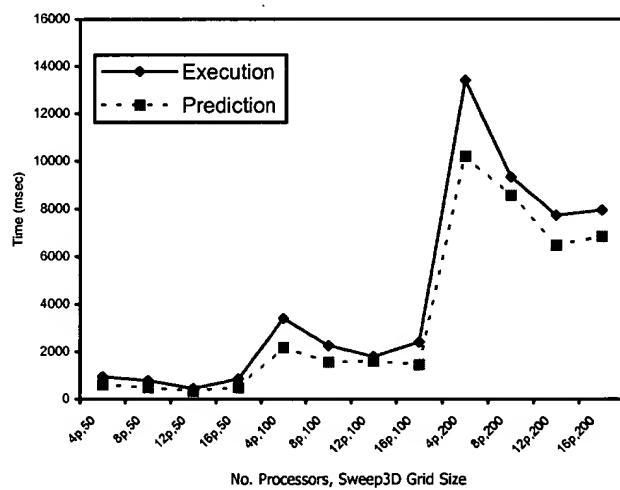


FIG. 12